

**SURVEY PARTY CHIEF***Class Definition*

Under direction, supervises and trains a survey party involved in performing survey and lay-out work on engineering and mapping projects in the field.

*Distinguishing Characteristics*

Survey Party Chief is the supervisory Level in the Survey Party series. Incumbents train a crew of semi-skilled and skilled personnel involved in survey and lay-out work on engineering and mapping projects. This class is distinguished from Chief Surveyor in that the incumbent of the latter is responsible for the day-to-day operation of the Survey Section, including the budget and administration. The Survey Party Chief is distinguished from Survey Party Technician in that incumbents of the latter perform the less complex survey work and do not have supervisory responsibilities.

*Typical Tasks*

(An incumbent may not be assigned all duties listed, nor do the examples cover all duties which may be assigned.)

Supervises and trains a crew of unskilled, semi-skilled, and skilled personnel performing all phases of preliminary and construction surveys.

Performs inspection surveys on large and complex construction projects and subdivisions to assure compliance with plans and accepted engineering practices.

Performs property surveys; sets property monuments for City properties and along right-of-ways as required.

Performs precise horizontal and vertical control surveys and preliminary surveys on which design and cost estimates are based.

Performs field layouts of difficult and complex Public Works projects; acts as advisor to other departments and divisions on engineering field problems.

Applies surveying methods in the measurements of contractor's pay quantities on City contracts.

Performs related duties as required.

*Knowledge, Abilities, and Skills*

Knowledge of the principles, practices, and instruments used in surveying.

Knowledge of trigonometry as applied to computation of angles, areas, distances, and traverses.

Knowledge of construction, specifications, plans, and regulations relating to Public Works projects.

Knowledge of engineering maps and records and drafting nomenclature and symbols.

Ability to perform difficult technical computations and to compile engineering data statistics.

Ability to effectively train and supervise unskilled, semi-skilled, and skilled personnel.

Ability to establish and maintain effective working relationships with co-workers, contractors, and the general public.

Ability to physically withstand long working hours in occasional adverse weather conditions.

Skill in the set-up and use of surveying instruments, appliances, and related equipment.

*Minimum Qualifications*

College level coursework in algebra, geometry, trigonometry, and surveying, and two years of experience equivalent to that gained as a Survey Party Technician with the City of Fresno.

*Necessary Special Requirements*

Possession of a valid California Driver's License at time of appointment.

APPROVED: \_\_\_\_\_

Director of Personnel

DATE: \_\_\_\_\_

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